

Class 14

Topics

- Simple Machine Failure Model
- Intermediate Machine Failure Model

Machine Repair Model

Parameters

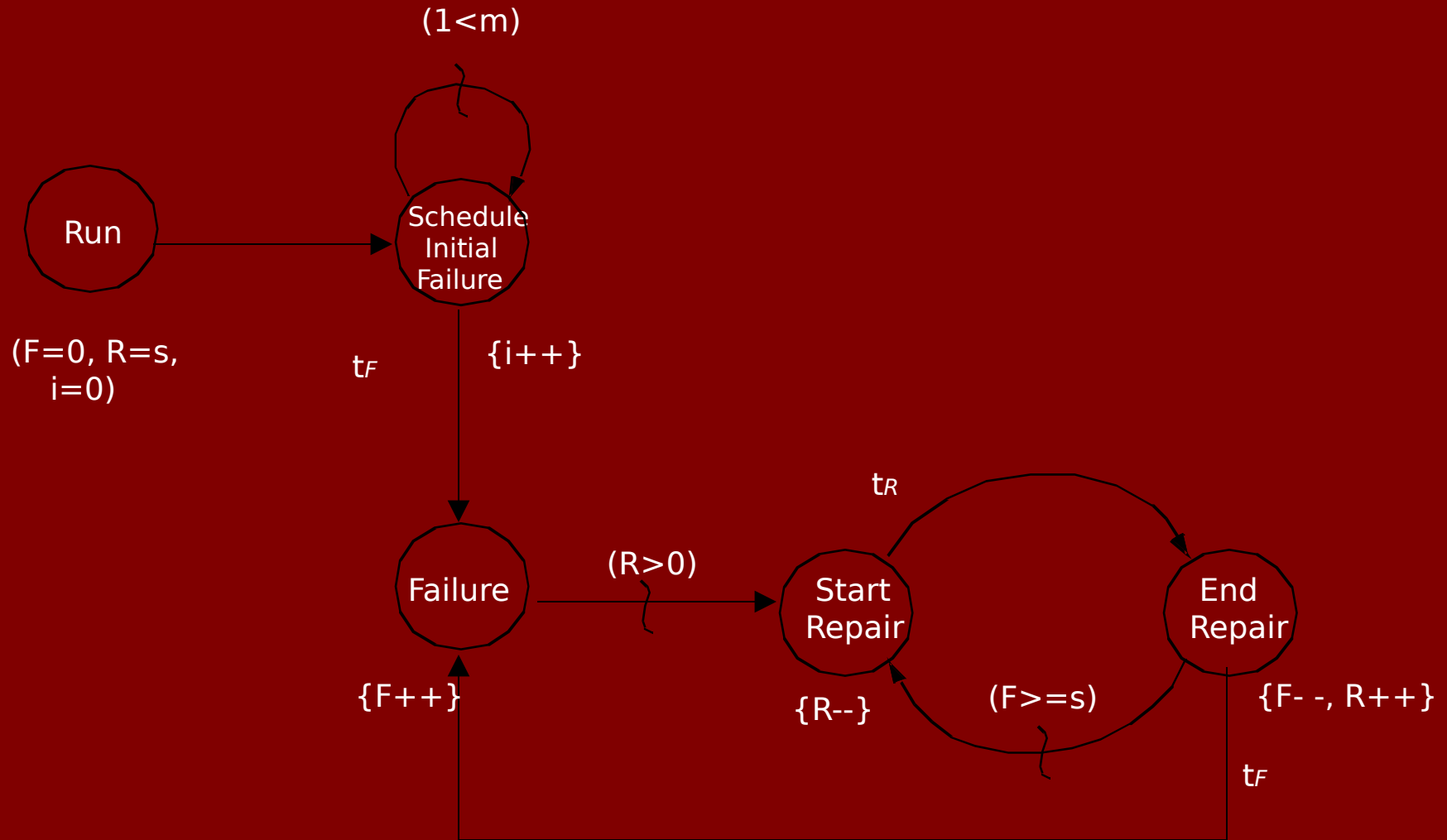
- $\{t_F\}$ = times to failure following repair
- $\{t_R\}$ = repair times for machines
- m = # machines
- s = # repair people

State Variables

- F = # failed machines
- R = # available repair people
- i = index for initial scheduling of failure events₁

1: This would be better done using an argument on the event instead

Event Graph



Discrete Event Simulation Modeling